CLASS SUBCLASS

DRAFTSMAN

APPROVED

Figure 1: Accessibility of hTR in native human telomerase. All antisense ligands direct RNase H cleavage of hTR, except 14bc (dotted). Although RP2 and RP3 were not directly tested via RNase H assay (they are 2'OMe RNA antisense ligands), DNA oligo 20/21 (similar to RP3) directed RNase H cleavage of hTR, and a 30mer DNA oligo directed to region "20" (containing the RP2 sequence) yielded marginal RNase H cleavage of hTR.

GGGITGCGGA GGGIGGCCCT GGGAGGGGIG GIGGCCATTT TTTGICTAAC	50	
CCTAACTGAG AAGGCCGTAG GCGCCGTGCT TTTGCTCCCC GCGCGCTGTT	100	
TTTCTCCCTG ACTITICAGCG GGCGGAAAAG CCTCCCCCTG CCCCCTTCCA	150	21
CCGTTCATTC TAGACCAAAC AAAAAATGTC AGCTGCTGGC CCGTTGCCCC	200	20
21ab ab 3 ab 2 ab 1		
RP3 RP2		
CTCCCGGGGA CCTGCGGCGG GTCGCCTGCC CAGCCCCCGA ACCCCGCCTG	250	
GAGGCCGCGG TCGGCCCCGG GCTTCTCCGG AGGCACCCAC TGCCACCGGG	300	16
AAGAGITGGG CICTGICAGC CGCGGGGTCTC TCGGGGGCGA GGGCGAGGT	350	
16ab		
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CAGGCCTTTC AGGCCGCAGG AAGAGGAACG GAGCGAGTCC CCGCGCGCGG	400	
14 14ab		14
14bc		
CGCGATTCCC TGACCTGTGG GACGTGCACC CAGGACTCGG CTCACACATG	450	
С	451	